



## Section K

### *Site Integration*

#### PROJECT MANAGERS

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## INTRODUCTION

Site Integration consists of Project Baseline Summary (PBS) RL-SS01, Work Breakdown Structure (WBS) 3.4.1 (except for 3.4.1.3, 3.4.1.7, and 3.4.1.8). The five sub-projects addressed in Section K are:

- Planning and Integration (WBS 3.4.1.1)
- Environmental Compliance Program (WBS 3.4.1.2)
- Systems Engineering and Integration (WBS 3.4.1.4)
- Information Resource Management (WBS 3.4.1.5)
- Training (WBS 3.4.1.6)

NOTE: Unless otherwise noted, all information contained herein is as of the end of June 2002.

There are no milestones (EA, DOE-HQ, or RL) in Fiscal Year (FY) 2002 for this PBS.

## NOTABLE ACCOMPLISHMENTS

### PLANNING & INTEGRATION (P&I) WBS 3.4.1.1

**FY 2004 Budget Request** ~~3/4~~ FY 2004 target funding amounts were prioritized by the projects, finalized by RL, and loaded into the Integrated Priority List module (IPLM). Peer Review narratives supporting the funding prioritization profiles were also input and transmitted by RL to DOE-HQ's Integrated Planning, Accountability, and Budgeting System (IPABS).

At the request of DOE-HQ and RL, P&I coordinated an effort to develop liability categories and updated uncertainty scores for each FH PBS. This effort is part of the process to develop the environmental liability estimates required by DOE-HQ. This effort required FH projects to develop risk scores and liability assignments at level 4 of their WBS. In addition, narratives were provided that described the basis for scoring assignments.

**FY 2004 Unified Field Budget Request (Unicall)** ~~3/4~~ Deliverables for June which were formally transmitted to RL include crosscut reports for Environmental Safety and Health, Infrastructure and Facilities. In addition, requests for FY 2004 capital funding for Line Items (Construction Project Data Sheets) and General Plant Projects (GPP) were also submitted to RL per DOE-HQ directed formats.

**Support To CH2M HILL Hanford Group, Inc (CHG)** ~~3/4~~ P&I continues to provide systems and scheduling support of CHGs efforts to complete a major re-baseline of their project. This involves modifications to systems and revision of historical databases.

**Project Master Schedule Updates** ~~3/4~~ P&I in support of the Vision 2035 Study Team updated the FH Project Master Schedules. Specific master schedules were updated for 200 Area Facility Disposition, Contact Handled Transuranic Waste (TRU), Low Level Waste, Plutonium Finishing Plant, Remote Handled TRU, Waste Sites (non-RC), and Waste Encapsulation and Storage Facility (WESF)/Canister Storage Building (CSB).

#### Ongoing monthly requirements completed in this reporting period

- **RL/FH Performance Management Meetings (PMMs)** – There was no PMM held in June. The meeting scheduled on June 26, 2002 was cancelled due to schedule conflicts. The next PMM, scheduled for August 1, 2002 is slated to be a quarterly baseline review addressing June performance/status, and will provide more detailed sub-project performance information including accomplishments, safety information, cost and schedule data, schedules, performance incentives status, and issues.

- **Environmental Management Performance Report (EMPR)** – The April EMPR was provided to RL in bound copy on June 10, 2002. The May EMPR was provided to RL on June 27, 2002.

## Environmental Compliance Program (ECP) WBS 3.4.1.2

**Portable/Temporary Radioactive Air Emission Units (PTRAEU) and High-Efficiency Particulate Air (HEPA) Filtered Vacuum Radioactive Air Emission Units (HVU) Annual Report for 2001** — The PTRAEU and HVU Annual Report for 2001 was delivered to RL on June 14, 2002, completing Tracked Deliverable ECP-02-405.

**Toxic Chemical Release Inventory (TRI)** — The final CY 2001 TRI report for the Hanford Site was transmitted to RL on the scheduled June 24, 2002 due date (Correspondence No. FH-0001947.4). The TRI report will be certified by Mr. Keith A. Klein on July 1, 2002 and submitted to EPA Region 10 and Ecology, as required by regulation. This action completes Tracked Deliverable ECP-02-504.

**Calendar Year (CY) 2001 Polychlorinated Biphenyl (PCB) Document Log** — The final CY 2001 Annual PCB Document Log was completed and transmitted to RL on June 24, 2002 completing Tracked Deliverable ECP-02-505.

**Air Effluent/Emissions Reporting** — The *Radionuclide Air Emissions Report for the Hanford Site, Calendar Year 2001* (DOE/RL-2002-20) was transmitted to RL on June 13, 2002 completing Tracked Deliverable ECP-02-806. This report demonstrates compliance with the federal and state dose standard of 10 mrem/yr. The Maximally Exposed Individual (MEI) radiological dose attributable to radioactive emissions from Hanford Site point sources in 2001 was 0.12 mrem effective dose equivalent (EDE), which is 1.2% of the standard. The MEI dose from sources of diffuse and fugitive emissions was 0.37 mrem EDE, or 3.7% of the standard. Combined, these doses at 0.49 mrem EDE were less than 5% of the standard.

**Quarter 4 Resource Conservation and Recovery Act of 1976 (RCRA) Permit Class I Modification Notification** — The RCRA Permit Quarterly Class I modification notification for the fourth quarter was delivered to RL on June 26, 2002, completing Tracked Deliverable ECP-02-706.

**Regulatory Inspection Support** — The following regulator facility inspections and follow-up to information and/or action requests were coordinated in the month of June:

- The State of Washington, Department of Ecology (Ecology) announced an inspection of the Non-Regulated and Recycled waste storage areas. The inspectors requested a list of where these areas are located.
- On June 11, 2002 Ecology held an Underground Storage Tank (UST) Compliance Inspection of petroleum USTs at Hanford. Ecology stated the inspection report would identify three concerns but no violations.
- Ecology continues to investigate historical information concerning a metal structure located near the base of Gable Mountain identified as WIDS Site 600-146. FH Environmental worked with Hanford Patrol explosive detection personnel in performing a check for explosives in the area. Hanford Patrol used the K-9 Unit and an Ion Scan monitor to test various locations for explosives residue. The dogs did not detect any positive material; however, an Ion Scan monitor did detect "minute" trace amounts of C-4 explosives. The amount of explosive residue found was so small it would not cause the Ion Scan to alarm, and is not considered detrimental to human health or the environment. An incident report was written, cleared for public release, and will be provided to Ecology.

- On June 20, 2002, the State of Washington, Department of Health (DOH) conducted a U.S. Environmental Protection Agency (EPA) Level II Stack Inspection. No concerns have been relayed.

**Spill and Release Reporting** — Appropriate reporting responses were coordinated for six non-reportable releases of a hazardous substance/a petroleum product released to the environment. All of these releases were cleaned up and disposed of per state and federal requirements. There were no reportable events with a release to the environment and three reportable code non-compliance events reported directly to the FH single-point-of-contact through the Occurrence Notification Center (ONC).

## **SYSTEMS ENGINEERING AND INTEGRATION (SE&I) WBS 3.4.1.4**

**System Engineering Management System Solution** — In support of the efforts under the Hanford Site Analyses and Models and the Hanford Site Requirements Analysis Reports the following work was accomplished:

- Integrated Revision 2 of the Hanford Site Environmental Management Specification into the Project Hanford Management Contract (PHMC) baseline.
- Integrated contract mod 152 into the PHMC baseline.
- Completed the third quarter management assessment on the effectiveness of the Integrated Technical Baseline.
- Continued support to RL's Implementation Plan for the Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 2000-2, Configuration Control for Vital Safety Systems.
- Improved the integration of the FH requirements management activities.

**System Engineering Technical Products** — In support of the efforts for Prime Contract Integration the following work was completed:

- Supported RL in the review of the Hanford Site Performance Management Plan. Provided baseline information relative to facility and waste site disposition plans.
- Lead the effort to transition the Environmental Information Systems from Bechtel Hanford Inc. (BHI), to FH as part of the contract work scope transition for the Central Plateau Remediation Project.
- Supported the Vice President for Business Systems in the risk analysis efforts for the Spent Nuclear Fuel (SNF) Project. This work utilizes a Fluor Corporate model for risk management.

## **Information Resource Management (IRM) WBS 3.4.1.5**

**5M IRM Safe Work Hours Celebration ¾** Lockheed Martin (LMIT) employees, FH bargaining unit staff and employees of subcontractor Qwest, joined in the celebration of Hanford IRM employees reaching five million safe hours without a lost work day. During the celebration, special guest John Wood, Vice President, FH Site Operations, spoke of the significance of the safe hour achievement. Also expressing appreciation and recognizing the IRM safety success were Steve Burnum, Team Lead, RL Site Infrastructure Services Team, Norman Moorner, RL Director Site Services Division and Dawn Adams, Chief Information Officer (acting), FH Site Operations.

**Business Management System (BMS) Upgrades ¾** On June 28, 2002 the Sunflower Asset Management (SAMS) upgrade was implemented.

**Central Plateau Transition ¾** IRM support for the Central Plateau transition included the movement of approximately 145,000 document records, 144 Hanford Local Area Network (HLAN) user accounts, four major site applications, eight additional facilities to the HLAN, and conversion of approximately 165 PC's from the BHI Local Area Network (BLAN) to HLAN. The effort to move and reconfigure all of the workstations occurred over the weekend of June 28, 2002 and the systems were up and functioning for the transitioned employees by the time they arrived at their work places on Monday. Thorough planning

and preparation resulted in a smooth migration of user systems, data and applications over the transition weekend.

**Chemical Inventory Tracking System (CITS) Administration Module Implemented ¾** The CITS administration module was implemented on June 10, 2002. This is a new Web based application that will replace the existing Chemical Management System (CMS). This will be accessed via the Intranet to authorized Hanford employees. The initial phase of this project allows the Data Administrators and Facility Point of Contacts to establish and cleanup the necessary administrative data in preparation for this inventory implementation.

## Training WBS 3.4.1.6

**Hazardous Waste Training —** Three hundred and thirty-seven students were trained in hazardous waste handling during June 2002. Fourteen 8-hour refreshers, one 24-hour initial, and one combination initial classes were conducted.

**Respiratory Training ¾** Two hundred and eighty students were trained in respiratory protection during June 2002. Twenty-four respiratory protection refresher classes and five respiratory protection initial classes were conducted. In addition, five special respiratory protection classes were added, providing training for 18 students in time to meet work requirements.

**Mask Fit Training ¾** Two hundred and thirty-one students were processed through Mask Fit during June 2002.

**Occupational Safety and Health Training ¾** Eight sessions were held for 57 students on various hoisting and rigging topics during June 2002. The topics included basic crane and rigging, aerial lift safety, load securing, and inspection of overhead cranes.

**Occupational Safety and Health Administration (OSHA) Training ¾** The three-day session of forklift and aerial lift inspector was conducted June 4-6, 2002. This course provides the 36-month re-qualification requirement for the mechanics that maintain this equipment. The course includes approximately 50 percent hands-on training.

**Nuclear Safety Training ¾** Ten sessions of nuclear criticality safety training were held for 57 students during June 2002. Forty-seven sessions of radiation worker training were held during June 2002. Fifty-eight students attended 20 sessions of initial radiation worker training and 160 students attended 27 sessions of radiation worker retraining.

**Emergency Preparedness (EP) Training ¾** Training supported the following EP training activities during June 2002:

- Hanford Incident Command System Initial Training – 16 students
- Building Emergency Director Initial Training – 8 students
- Building Warden Initial Training for Administrative Buildings – 7 students
- Web-based Refresher Training – 100 students

**Web-Based Training ¾** Training delivers web-based training through the HAMMER Courseware Management System (HAMMERCMS) that has been operating in full production since June 2001. In June 2002, HAMMERCMS recorded 3,116 course completions. This includes 809 Hanford General Employee Training student completions.

**Special Brokered/Site Supported Training ¾** In support of the Site, Training brokered or facilitated 27 training sessions covering 14 specific course contents. These training sessions supported the PHMC

and Department of Energy - Office of River Protection (ORP) contractors. Other training topics provided to FH were Leadership Essentials II, Supply Chain Process, Real Property-Facilitated Workshops, Introduction to Occurrence Report Writing, Occurrence Report Writing, Aerial Lift Inspector, Condensation Induced Water Hammer Refresher, and Steam Distribution Systems Operations.

**FH Requirements Management System** ¾ The following training documents have been revised per the new FH Requirements Management System and were issued/posted during June 2002.

- HNF-POL-11337, *Employee Training*
- HNF-RD-11061, *Training Requirements*
- HNF-GD-10624, *A Systems Approach to Training*
- HNF-GD-1236, *Development of Training Qualification and Certification Programs*
- HNF-PRO-175, *Training Program Descriptions*
- HNF-PRO-249, *Training Records Administration*
- HNF-1184, *Training Requirements* was reposted as the *Training Selection Tool*

**Deliverable Completion** ¾ The following two deliverables were completed during June 2002:

- Review results of the newly awarded training outsource contract for quality and cost effectiveness to include input from RL, ORP, and all other site contractors who use them as a training provider. Provide corrective action direction for FH contract for training as necessary. Provide report by June 30, 2002.
- Use a statistical approach to determine the target population of courses offered at the facility level to evaluate as duplicative in nature. This analysis will consider courses identified by RL-Office of Training Services (RL-OTS) and FH. Based upon the initial data, determine and implement a path forward, corrective action, and monitor implementation of the adjustments made. Provide a report by June 30, 2002, to include actions taken, successes, and future path forward.

## BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

### Breakthroughs

**Information Resource Management** ¾ Photography Services was transitioned from a "wet process" laboratory production to an all-digital format with the move from the Government facilities in the 300 Area to the LMIT commercial space at 1981 Snyder. The move involved working with FH's Asset Transition group to transfer the photo lab equipment to the Tri-Cities Asset Reinvestment Company and the disposition of 50 years of accumulated materials to turn the 300 Area building over to FH Facilities. The move to digital eliminates the waste stream and the last shipment from the silver recovery is planned for December 2002. The transition to digital should reduce the FY2003 budget over 60 percent from the FY2002 budget of \$790K.

### Opportunities for Improvement

**Environmental Compliance Program** ¾ The Environmental Protection requirements documents and procedures are being revised to an activity-based format consistent with the overall FH effort. This conversion/revision will be completed by the end of this summer. The activity-based format should make requirements flow-down clearer and the result more end-user friendly, as well as incorporate some streamlining.

**Information Resource Management** ¾ The Records Inventory Disposition Schedule (RIDS) database provides for the electronic approval of RIDS. Users were notified to download the new version. Also provided was the revised Web System User's Guide, which was placed on the Records and Information Management (RIM) Web site.

**Information Resource Management** ¾ A new process for replacing personal computers (PCs) will be implemented during the next 60 days, with LMIT becoming the source for systems. This enables the site to leverage Lockheed Martin's large corporate-wide buying power in negotiating lower system prices than are currently being paid, while still maintaining the use of a local small business to provide them. Anticipated savings are up to \$300,000 annually.

## **UPCOMING ACTIVITIES**

### **Planning & Integration**

- FH Baseline update for FY03 execution - due September 30, 2002
- Support to Life Cycle Cost Reduction - ongoing

### **Environmental Compliance Program**

- ECP-02-807, Quarter 4 NESHAP Status Report - due July 29, 2002
- ECP-02-406, Second Hanford Air Operating Permit (AOP) Semi-Annual Report - due August 15, 2002
- ECP-02-808, Annual Environmental Release Report - due August 30, 2002

### **Systems Engineering & Integration**

- In response to Project comments on the Technical Baseline, SE&I is working to improve the Hanford Site Technical Database (HSTD) functional analysis - due August 2002.

### **Information Resource Management**

- PeopleSoft Human Resources (HRIS) Upgrade will be implemented in mid August and will conclude the BMS upgrades, which moves these applications to supported versions that take advantage of web technologies and other vendor-supplied improvements.
- A new process for replacing Personal Computers (PCs) will be implemented during the next 60 days, with LMIT becoming the source for systems. This enables the site to leverage Lockheed Martin's large corporate-wide buying power in negotiating lower system prices than are currently being paid, while still maintaining the use of a local small business to provide them. Anticipated savings are up to \$300,000 annually.
- LMIT's response to the FY2003-FY2006 Statement of Work and RFP for IRM Services will be reviewed and the details for the services negotiated to cover the remaining 4 years of the contract.
- The Virtual Knowledge Center/Integrated Document Management Systems (VKC/IDMS) Program production hardware lease will be placed with a vendor in mid-July. Training for the CHG technical procedures will begin in July. Production implementation with 75 users is scheduled for August 5, 2002.

### **Training**

- Conduct assessments of the use of the Systematic Approach to Training (SAT) process on high attendance training activities (number and activities to be determined jointly by FH and RL-OTS) to determine the quality, appropriateness of delivery method and compliance with all applicable regulations. Provide report by August 31, 2002.
- Use customer satisfaction report to determine training effectiveness for three courses (courses to be determined jointly by FH and RL-OTS) by September 30, 2002.

- Offer an Instructor Continuing Training Program and ensure that each qualified instructor falling within the purview of the PHMC contract attend at least one offering annually or provide evidence of other continuing training during the year. Provide report by September 30, 2002.
- Increase efficiency of training records entry by 10 percent over FY 2001. Due September 30, 2002.
- Reduce customizations of the PeopleSoft Training Module and Integrated Training Electronic Matrix (ITEM) panels by 10 percent of the FY2001 level. Due September 30, 2002.

## MILESTONE ACHIEVEMENT

There are no milestones (EA, DOE-HQ, or RL) in FY 2002 for this PBS.

## FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

	By PBS	FYTD							
		BCWS	BCWP	ACWP	SV	SV%	CV	CV%	BAC
PBS SS01									
WBS 3.4.1.1	P&I	2899	2898	2386	-1	0.0%	512	17.7%	3.989
WBS 3.4.1.2	ECP	6920	6920	6359	0	0.0%	561	8.1%	9.297
WBS 3.4.1.4	SE	701	701	530	0	0.0%	171	24.4%	887
WBS 3.4.1.5	IRM	7776	7776	8312	0	0.0%	-536	-6.9%	10.438
WBS 3.4.1.6	Training	3755	3754	3206	-1	0.0%	548	14.6%	5.171
	Total	22051	22049	20794	-2	0.0%	1256	5.7%	29.783

## FY TO DATE SCHEDULE / COST PERFORMANCE

All schedule variances in PBS RL-SS01 are within established thresholds. The \$1.3 M (5.7 percent) favorable cost variance is discussed in the Cost Variance Analysis portion of this report.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

### Schedule Variance Analysis: (-\$0.002M)

All schedule variances are within established thresholds.

### Cost Variance Analysis: (+\$1.3M)

#### 3.4.1.1 Planning & Integration

**Description/Cause:** The favorable cost variance is due to reserve identified in the baseline to be reallocated to higher priority work in other projects.

**Impact:** There is no significant project impact at this time.

**Corrective Action:** None at this time.

**3.4.1.2 Environmental Compliance Program**

**Description/Cause:** The favorable cost variance is within established thresholds and a result of labor under runs due to reductions of force, and procurement delays due to spending restrictions.

**Impact:** There is no project impact at this time.

**Corrective Action:** None at this time.

**3.4.1.4 Systems Engineering and Integration**

**Description/Cause:** The favorable cost variance is a result of procurement delays for the Requirements Driven Design (RDD) 100 software in support of the HSTD due to spending restrictions.

**Impact:** There is no project impact at this time.

**Corrective Action:** None at this time.

**3.4.1.5 Information Resource Management**

**Description/Cause:** The unfavorable cost variance is within established thresholds and is due mainly to less than planned revenue.

**Impact:** There is no project impact at this time.

**Corrective Action:** None at this time, but continuing to closely monitor revenue.

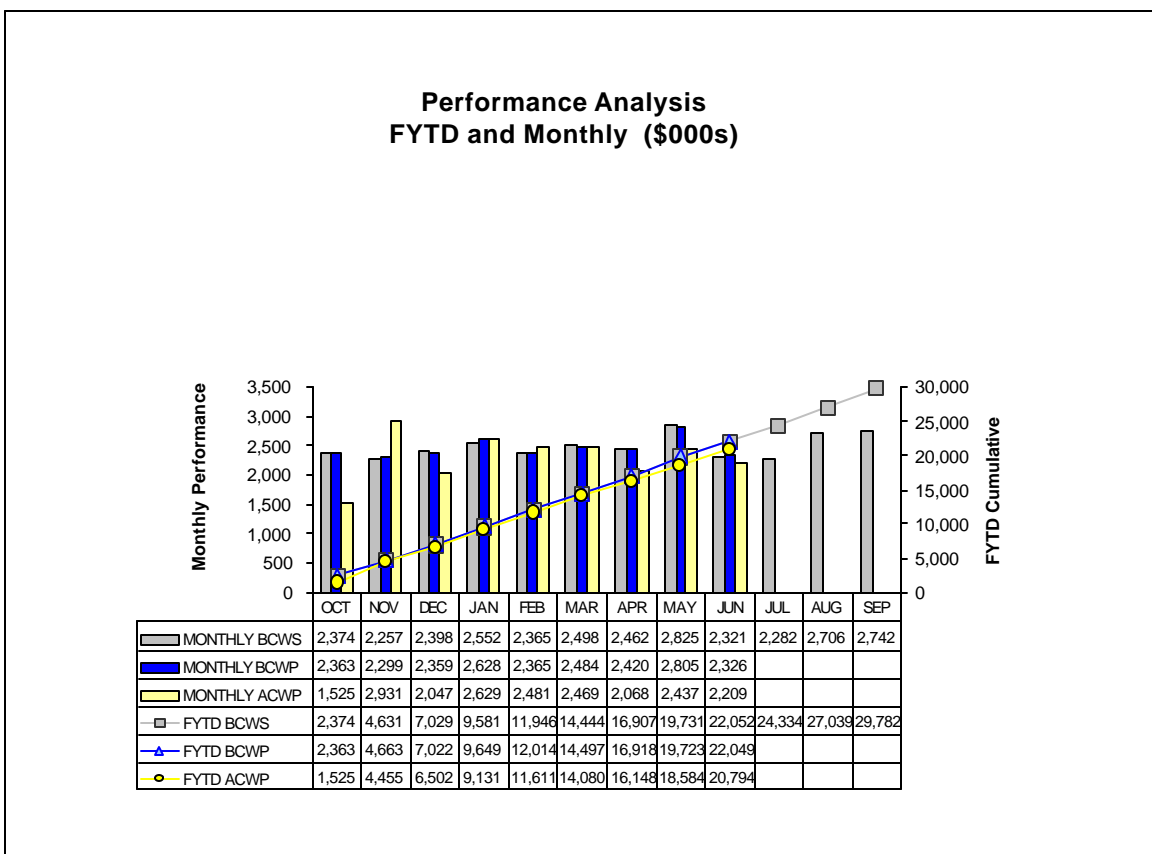
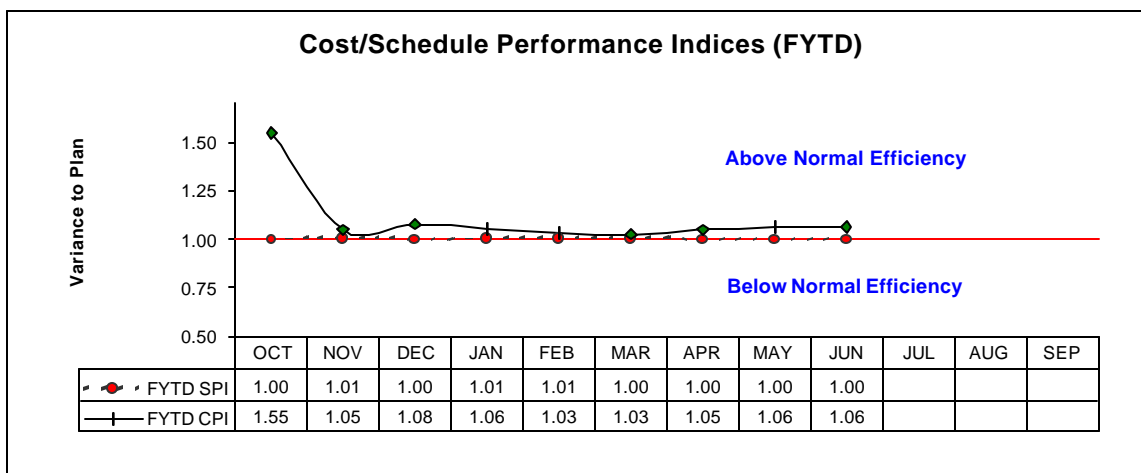
**3.4.1.6 Training**

**Description/Cause:** The favorable cost variance is a result of labor under runs due to reductions of force, efficiencies and vacant positions placed on hold due to spending restrictions.

**Impact:** There is no project impact at this time.

**Corrective Action:** None at this time.

## COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



## FUNDS MANAGEMENT

### FYTD FUNDS VS SPENDING FORECAST (\$000)

	FH Funds Reallocation	FYSF	Variance
<b>3.4.1 Site Integration</b>			
SS01			
Post 2006 - Operating	\$ 27,500	\$ 28,496	\$ (996)
<b>Total</b>	<b>\$ 27,500</b>	<b>\$ 28,496</b>	<b>\$ (996)</b>

[Status through June 2002]

Note: FH Reallocation reflects an FYSF adjusted for scope deletions, deferrals, and savings to address funding shortfalls, additional unplanned scope, and cost

## ISSUES

### TECHNICAL, REGULATORY, EXTERNAL AND DOE ISSUES AND DOE REQUESTS

None to report.

## BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

Baseline Change Log						
BCR No./ Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars (\$000s)		
FH-02-010 3.4.1	2/28/02	FH Labor Rate/Continuity of Service & Escalation		593.0		At RI
FH-2002-002 3.4.1.6	5/15/02	Laundry Allocation Revision		217.0		At RI

NOTES: "Impact" refers to the impact in terms of the number of days or dollars changing from the 9/30/01 baseline.

"Date Approved" refers to date of change as approved by final approval authority.